

??

- ???????? LINE ????
- ????????????????
- ????????????(??SKU?????SKU)
- ????????

????????? LINE ?????

? ?????

????? Flask ?? Web ?????? **MSSQL** ?????????????????????? Excel ?????????????????? LINE ???

? ?????

- ???Flask (Python)
- ?????MSSQL (?? pyodbc ??)
- ???Pandas + ExcelWriter (xlsxwriter)
- ???LINE Messaging API
- ??????python-dotenv
- ???5100

? ?????

1. ?????????? (/)

- ????? ?? ??????
- ?????????? FullName?????????
 - ?????
 - ?????????
 - ?????SumAmtATax?
 - EBOUdef3????????
- ?????????????
- ?????????????????????

2. ?????????????? Excel (/export)

- ?????????
 - ?????
 - SKU
 - ?????
 - D ???
 - B ???
 - ?????D??? - ?????
- ?????? SKU? P07-005-09? P07-005-10?
- ??????

??????_YYYYMMDD_YYYYMMDD.xlsx

3. LINE ????? (/send_line)

- ??????????
 - LINE_CHANNEL_ACCESS_TOKEN
 - LINE_GROUP_IDS
- ??????????????
- ?????? 480 ????????

? ??????????.env?

```
LINE_CHANNEL_ACCESS_TOKEN=xxxxxxx  
LINE_GROUP_IDS=groupid1,groupid2
```

? ?? SQL ??

????????

```
SELECT s.BillNO, s.ProdID, s.ProdName, s.Quantity, s.QtyRemain,  
       m.CustomerID, c.FullName,  
       m.SumAmtATax, m.EBOUdef3  
FROM ordBillSub s  
LEFT JOIN ordBillMain m ON s.BillNO = m.BillNO  
LEFT JOIN comCustomer c ON m.CustomerID = c.FundsAttribution  
WHERE s.PreInDate BETWEEN ? AND ?  
ORDER BY s.PreInDate, s.BillNO
```

D / **B**

```
SELECT ProdID, WareID, SUM(Quantity) AS  
FROM StkYearMonthQty  
WHERE WareID IN ('D', 'B')  
GROUP BY ProdID, WareID
```


- ?? `display_config.json` ?? SKU ????
- ?????? SKU ????
- ??? JSON ??????????????????

3. display_config.json ??

```
{  
  "SKU": ["P01-001-01", "P01-002-05", "P01-003-10"]  
}
```

????????? SKU ???

? ?? SQL ??

?????????

```
SELECT  
  A.BillDate AS 日期,  
  A.FundBillNo AS 单据号,  
  C.FullName AS 姓名,  
  A.ContactPerson AS 联系人,  
  A.ContactPhone AS 联系电话,  
  A.Remark AS 备注,  
  A.EB0UserDef4 AS 用户定义4,  
  A.ReceMan AS 接收人,  
  A.ReceAddress AS 接收地址,  
  A.ReceTelephone AS 接收电话,  
  A.ReceMobilePhone AS 接收手机,  
  A.ConsignNo AS 承运号,  
  A.Total,  
  A.Tax,  
  A.OBTNumber  
FROM comBillAccounts A  
LEFT JOIN comCustomer C ON A.CustID = C.ID  
WHERE A.BillDate = '{bill_date}' AND A.Flag = 500
```

????????? SKU?

```
SELECT
    S.BillNO AS 账单号,
    B.CustBillNo AS 客户账单号,
    S.ProdID AS SKU,
    S.ProdName AS 产品名称,
    S.Quantity AS 数量,
    S.ItemRemark AS 备注
FROM comProdRec S
LEFT JOIN (
    SELECT BillNO, MIN(CustBillNo) AS CustBillNo
    FROM stkBillSub
    WHERE Flag = 500 AND CustBillNo IS NOT NULL
    GROUP BY BillNO
) B ON S.BillNO = B.BillNO
WHERE S.Flag = 500
    AND S.BillNO IN ({placeholders})
    AND S.ProdID NOT LIKE '%P07-005-09%'
    AND S.ProdID != 'A'
```

????????????(??SKU????? SKU)

? ?????

???? Flask + MSSQL + Pandas ?????? ?????????????? ?????????????? Excel?????????????????

???<http://192.168.0.99:5109/>

? ?????

- ?????Flask
 - ?????MSSQL (CHIComp02)
 - Python??? pyodbc ? pandas ? openpyxl
 - ?????Excel (output.xlsx)
 - ???5109
-

? ?????

1. ????? (/)

- ????? [] ???? ??????
- ???????
 - ??
 - SKU
 - ?????
 - ??SKU?UserDef1?
 - ???UserDef2?
 - ???

2. Excel ?? (/download)

- ???????
 - SKU???SKU?
 - ?????
 - ?????????
- ????????????? Excel ??

? ?????

1. ? comProdRec ?? Flag=100 ?????
 2. Join comProduct ??????? (ProdName, UserDef1, UserDef2)
 3. ???????????? (BillNO LIKE '??%') ??
 4. ?? SUM(Quantity) ????
 5. ?????????? Excel
-

- Flask?????
- Jinja2?HTML????
- pyodbc??? SQL Server ???
- CSV ??????????
- Bootstrap????????????????

? ?????

??	??	??
/	GET/POST	??????????????
/upload	GET/POST	????? CSV ??
/download_template	GET	?????????
/print	POST	????????????????